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Amendment to the Claims

1. (Currently Amended) A residual capacity correction method for a battery wherein the battery is used in [the] a state in which ~~where the~~ full charge and [the] complete discharge are not repeated, the method comprising:

making a count of one cycle each time an accumulated quantity of a charge capacity of a battery reaches a learning capacity; and

decreasing the learning capacity by a specified cycle degradation capacity per charge of the one cycle.

2. (Previously Presented) A residual capacity correction method for a battery according to claim 1, wherein the set capacity is the learning capacity of the battery.

3. (Original) A residual capacity correction method for a battery according to claim 2, wherein the cycle degradation capacity is made 0.003 to 0.15 % of the learning capacity of the battery.

4. (Original) A residual capacity correction method for a battery according to claim 1, wherein the battery is a lithium ion secondary battery.

5. (Original) A residual capacity correction method for a battery according to claim 1, further comprising the steps of:

specifying a decreasing rate of the learning capacity as a keeping degradation capacity while a keeping temperature and a residual capacity of the battery are used as parameters; and

decreasing, as a keeping time passes, the learning capacity by the keeping degradation capacity specified from the keeping temperature and the residual capacity of the battery.

6. (Original) A residual capacity correction method for a battery according to claim 5, wherein the keeping degradation capacity per unit time is stored as a table while the keeping temperature and the residual capacity of the battery are made the parameters, the keeping degradation capacity per unit time is judged from the table, and the learning capacity in a keeping state is corrected.

7. (Previously Presented) A residual capacity correction method for a battery, wherein the battery is not used but is kept in a non-use state, the method comprising:

specifying a decreasing rate of a learning capacity as a keeping degradation capacity while a keeping temperature and a residual capacity of the battery are used as parameters; and

decreasing, as a keeping time passes, the learning capacity by the keeping degradation capacity specified from the keeping temperature and the residual capacity of the battery.

8. (Original) A residual capacity correction method for a battery according to claim 7, wherein the keeping degradation capacity per unit time is stored as a table while the keeping temperature and the residual capacity of the battery are used as the parameters, the keeping degradation capacity per unit time is judged from the table, and the learning capacity in a keeping state is corrected.

9. (Original) A residual capacity correction method for a battery according to claim 7, wherein a count of one cycle is made each time an accumulated quantity of a charge capacity of the battery reaches a set capacity, and the learning capacity is decreased by a specified cycle degradation capacity per charge of the one cycle.

10. (Previously Presented) A residual capacity correction method for a battery according to claim 9, wherein the set capacity is the learning capacity of the battery.

11. (Original) A residual capacity correction method for a battery according to claim 10, wherein the cycle degradation capacity is made 0.003 to 0.15 %.

12. (Original) A residual capacity correction method for a battery according to claim 7, wherein the battery is a lithium ion secondary battery.